

Title (en)  
METHOD AND SYSTEM FOR GAS DETECTION

Title (de)  
VERFAHREN UND SYSTEM ZUR GASDETEKTION

Title (fr)  
PROCÉDÉ ET SYSTÈME DE DÉTECTION DE GAZ

Publication  
**EP 2788751 A1 20141015 (EN)**

Application  
**EP 12813075 A 20121205**

Priority  
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Abstract (en)  
[origin: GB2497295A] A gas sensor for determining a concentration of a predetermined gas in a measurement volume E comprises light source C and detector J to receive light passed through the measurement volume. During a first measurement period, the detector makes a first measurement of an amount of light received in at least one wavelength band absorbed by the gas. The first measurement is compared to a predetermined threshold value. If the threshold is crossed, during a second measurement period the detector makes a second measurement of an amount of light received in at least one wavelength band absorbed by the gas. Gas concentration is calculated using the first and/or second measurement. A sampling rate, the light intensity or emitting surface area of the light source may be varied between first and second measurement periods. A further embodiment specifies a wireless sensor and the second measurement using a greater amount of light than the first.

IPC 8 full level  
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CPC (source: EP GB US)  
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